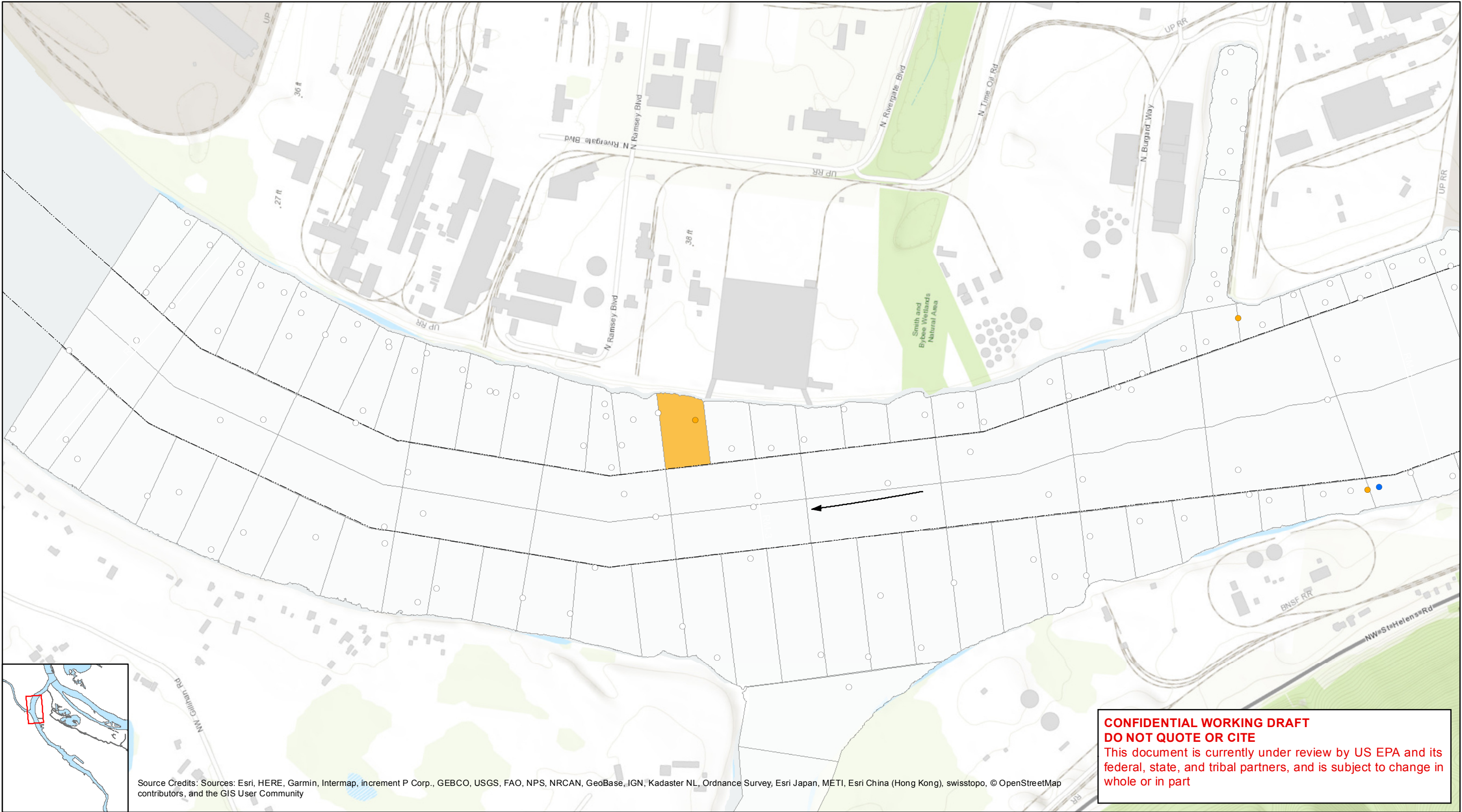


**Figure 7a. Distribution of Surface Sediment Chemistry for Total PAHs**



Path: E:\\_Projects\Portland Harbor\GIS\MapDocuments\Post ROD Phase\PDI 2018 Sampling\Fig7b-f\_TotPAHs\_Pre-ROD-Sampling\_byRM.mxd



- ← River Flow

Navigation Channel

● Sampling Location

■ Grid Cell Location
- Total PAHs (ug/kg) - Surface Sediment**

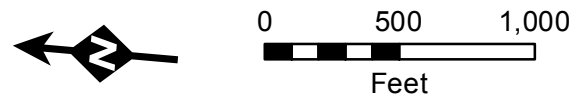
◇ < 13,000 (Nearshore RAL)

◆ > 13,000 (Nearshore RAL) – 23,000 (Cleanup Level)
- ◇ > 23,000 (Cleanup Level) – 30,000 (Proposed ESD Nearshore RAL)

◆ > 30,000 (Proposed ESD Nearshore RAL) – 170,000 (Nav Channel RAL)

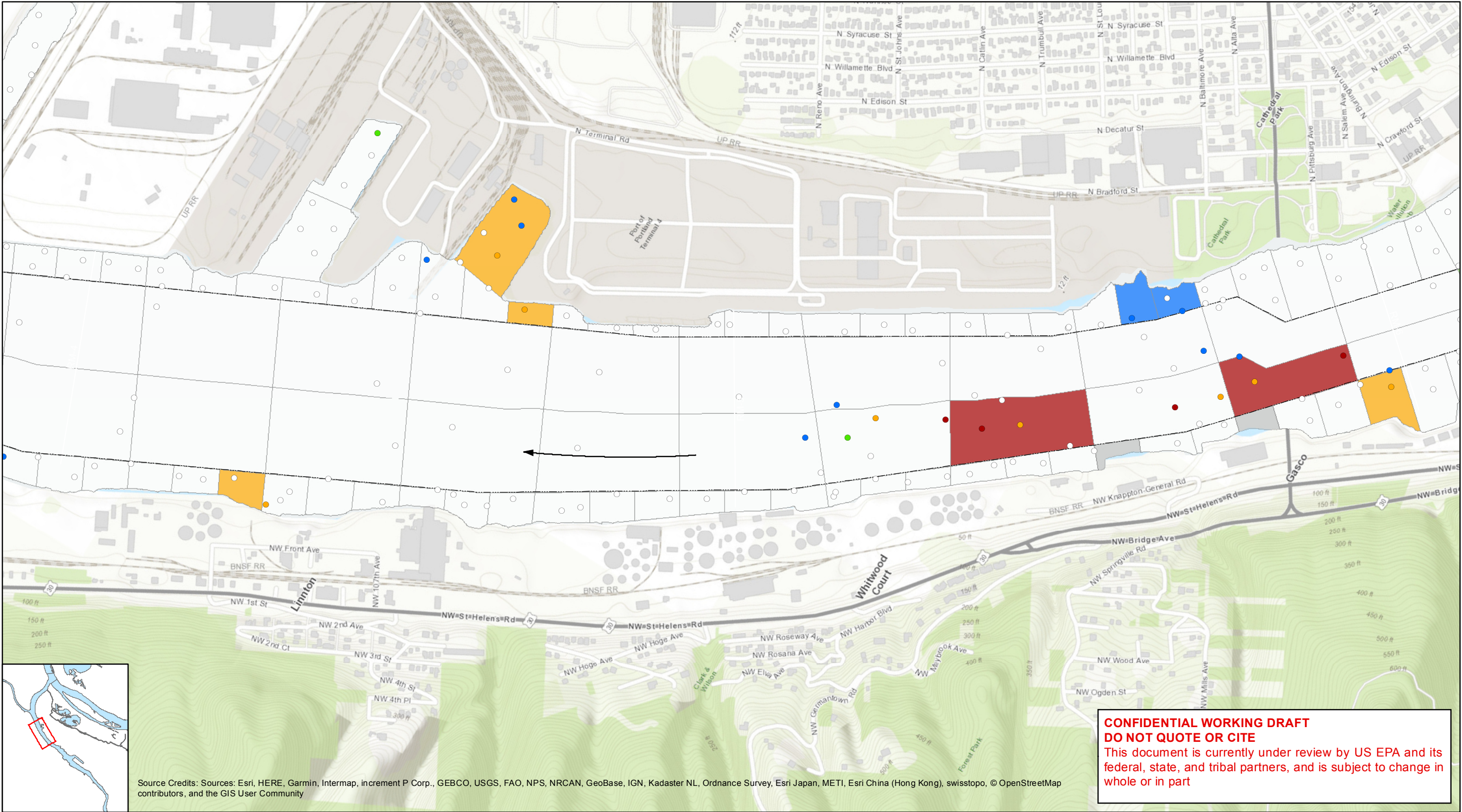
◆ > 170,000 (Nav Channel RAL)
- ◇ No Data

Figure 7b.  
Total PAHs with Selection Grid  
River Mile 1.9 to 4



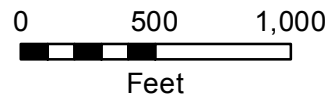


Path: E:\\_Projects\Portland Harbor\GIS\MapDocuments\Post ROD Phase PDI 2018 Sampling\Fig7b-f\_TotPAHs\_Pre-ROD-Sampling\_byRM.mxd



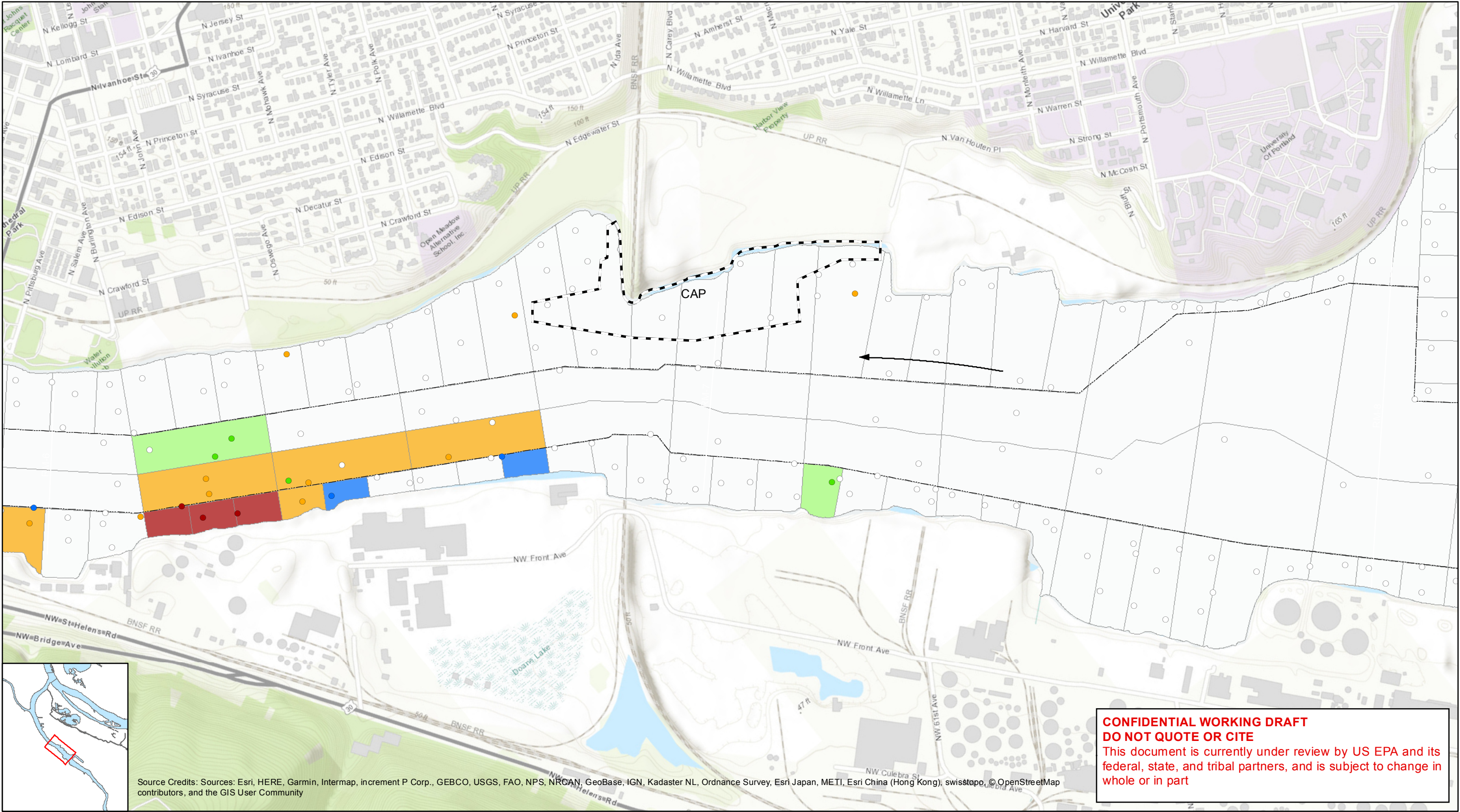
- ← River Flow
  - Navigation Channel
  - Sampling Location
  - Grid Cell Location
- Total PAHs (ug/kg) - Surface Sediment**
- < 13,000 (Nearshore RAL)
  - > 13,000 (Nearshore RAL) – 23,000 (Cleanup Level)
  - > 23,000 (Cleanup Level) – 30,000 (Proposed ESD Nearshore RAL)
  - > 30,000 (Proposed ESD Nearshore RAL) – 170,000 (Nav Channel RAL)
  - > 170,000 (Nav Channel RAL)
  - No Data

Figure 7c.  
Total PAHs with Selection Grid  
River Mile 4 to 6





Path: E:\\_Projects\Portland Harbor\GIS\MapDocuments\Post ROD Phase\PDI 2018 Sampling\Fig7b-f\_TotPAHs\_Pre-ROD-Sampling\_byRM.mxd



- ← River Flow

Navigation Channel

● Sampling Location

Grid Cell Location
- Total PAHs (ug/kg) - Surface Sediment**

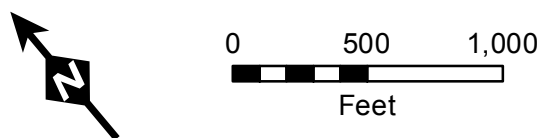
◇ < 13,000 (Nearshore RAL)

◆ > 13,000 (Nearshore RAL) – 23,000 (Cleanup Level)
- ◇ > 23,000 (Cleanup Level) – 30,000 (Proposed ESD Nearshore RAL)

◆ > 30,000 (Proposed ESD Nearshore RAL) – 170,000 (Nav Channel RAL)

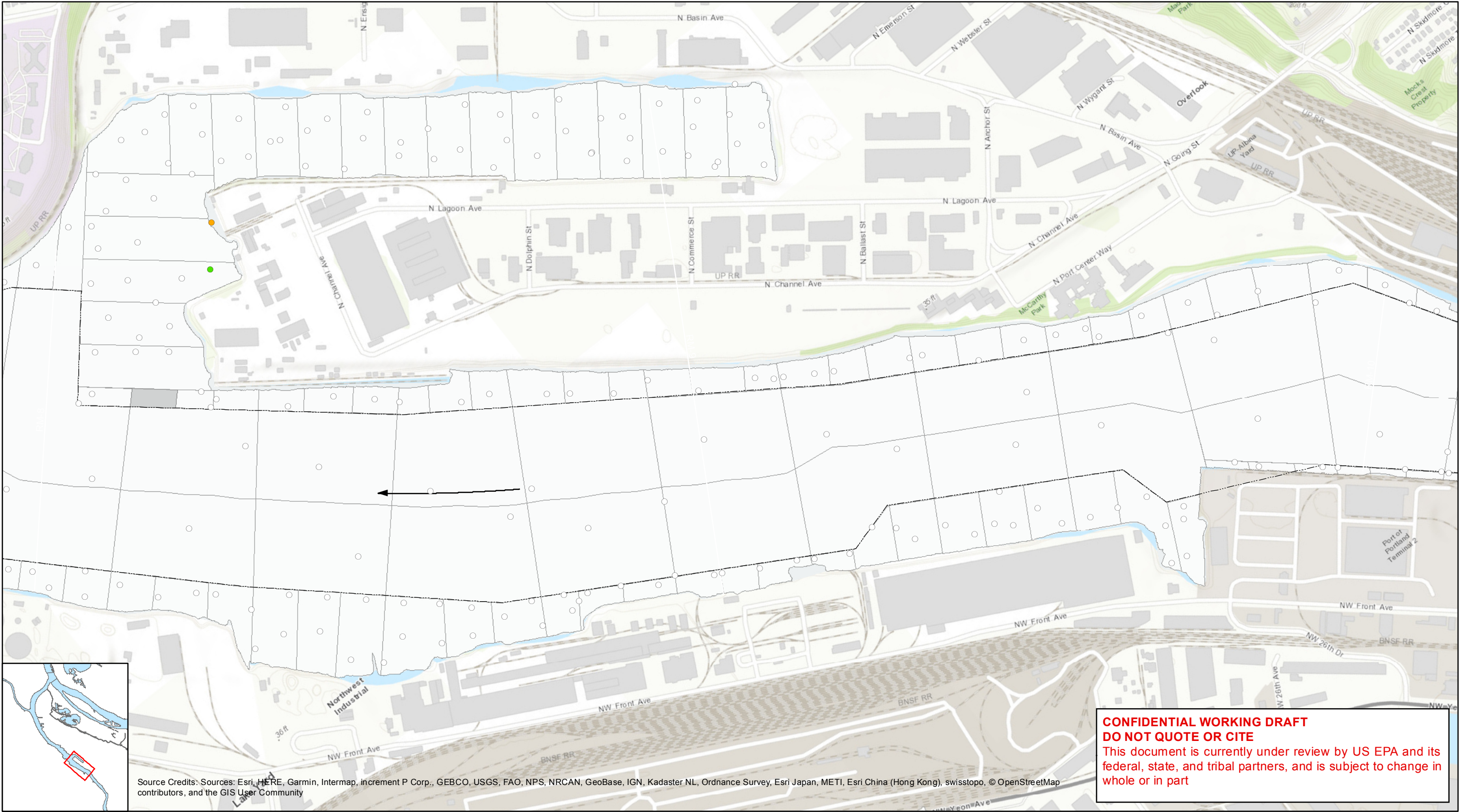
◆ > 170,000 (Nav Channel RAL)
- ◇ No Data

Figure 7d.  
Total PAHs with Selection Grid  
River Mile 6 to 8





Path: E:\\_Projects\Portland Harbor\GIS\MapDocuments\Post ROD Phase PDI 2018 Sampling\Fig7b-f\_TotPAHs\_Pre-ROD-Sampling\_byRM.mxd



Source Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

**CONFIDENTIAL WORKING DRAFT**  
**DO NOT QUOTE OR CITE**  
This document is currently under review by US EPA and its federal, state, and tribal partners, and is subject to change in whole or in part

- ← River Flow

Navigation Channel

● Sampling Location

Grid Cell Location
- Total PAHs (ug/kg) - Surface Sediment**

< 13,000 (Nearshore RAL)

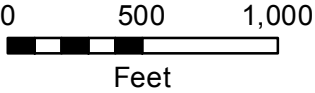
> 13,000 (Nearshore RAL) – 23,000 (Cleanup Level)
- > 23,000 (Cleanup Level) – 30,000 (Proposed ESD Nearshore RAL)

> 30,000 (Proposed ESD Nearshore RAL) – 170,000 (Nav Channel RAL)

> 170,000 (Nav Channel RAL)

No Data

Figure 7e.  
Total PAHs with Selection Grid  
River Mile 8 to 10





**Figure 7f.**  
Total PAHs with Selection Grid  
River Mile 10 to 12

**Legend:**

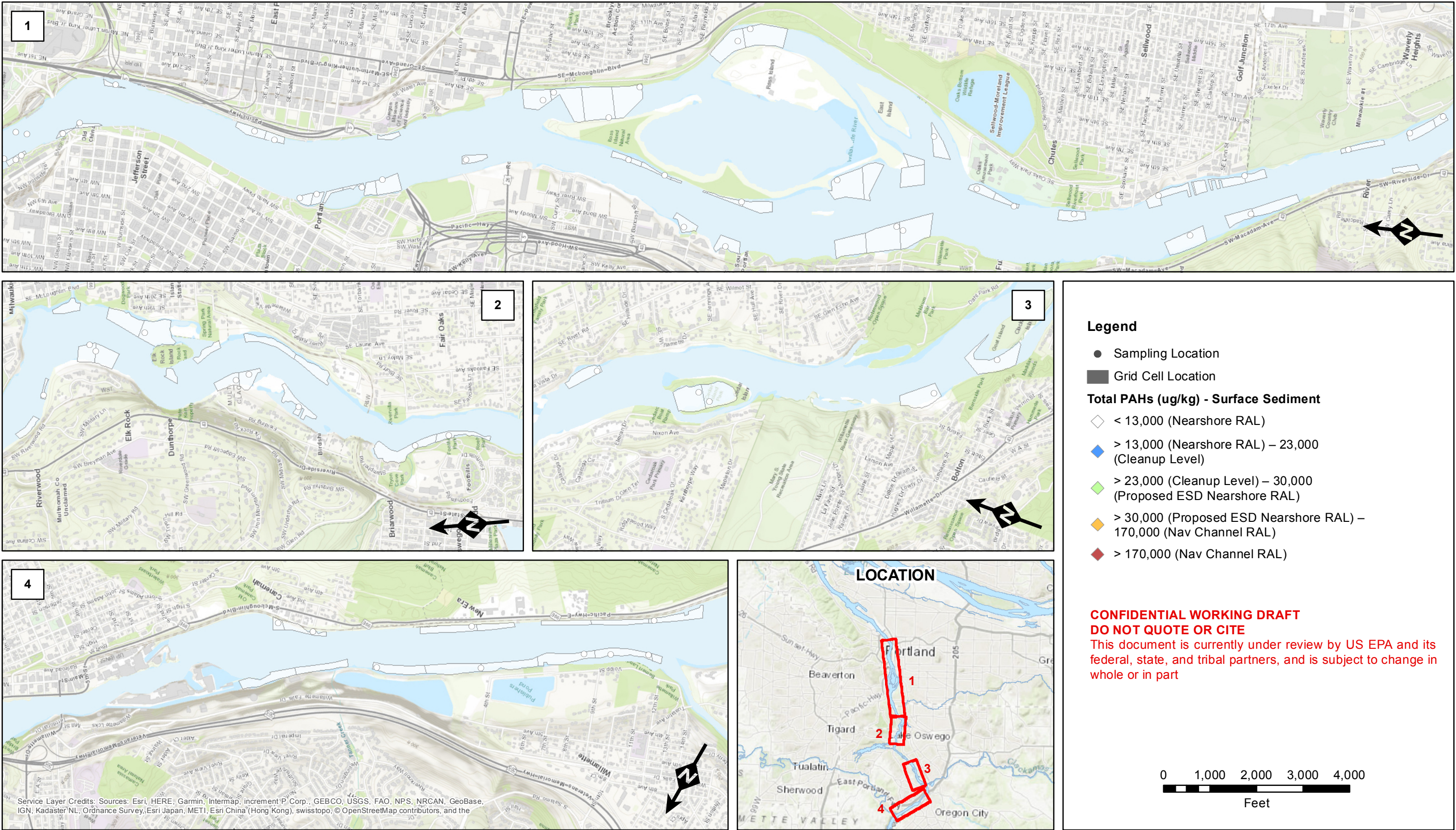
- River Flow
- Navigation Channel
- Sampling Location
- Grid Cell Location

**Total PAHs (ug/kg) - Surface Sediment**

- < 13,000 (Nearshore RAL)
- 13,000 (Nearshore RAL) – 23,000 (Cleanup Level)
- > 23,000 (Cleanup Level) – 30,000 (Proposed ESD Nearshore RAL)
- > 30,000 (Proposed ESD Nearshore RAL) – 170,000 (Nav Channel RAL)
- > 170,000 (Nav Channel RAL)
- No Data

Scale: 0 to 1,000 Feet





Distribution of Surface Sediment Chemistry for Total PAHs (2018 Downtown and Upstream Samples)